APPENDIX

J o .	FORMULAE	FROM TEXT. PAGE.

18
19 20
21
24
25
26
2 cbm. CO
+

2 cbm. C0a
Under normal conditions, formation of 1 cbm. .CO evolves
1,283 calories Under normal conditions formation of 1 cbm. CO-2 evolves
4,344 calories Decomposition of water vapour yielding 1 cbm. H absorbs
2,585 calories .....
Composition and combustible value of theoretical best steam-
air-gas from cold air .....
Volumes.
COo 0-8 per cent. CO 34-8 „ H 4-6 „
N 59-8 „
100 per cent;
Combustible value per cbm. 1,176 calories.
Cbm. per 1kg. G.
CO* 0-04 cbm. CO 1-82 „ II 0-24 ,, N 3-13 „
) 1-86 I C
cbm. gases.
5'23 cbm. steam-air-gas.
Combustible value per kg. C. 6,200 calories.
Decomposition of gases into their constituents : —
Icbm.
1 cbm. C2H4
2 cbm. H
2 cbm. II
+ 0
+0
Carbon contents i] cubic metrer9^ = 0-538 kilogramme 0) ll „ „ C2IId = 1-1
/(> „ Cj
DISTILLATION GAS.
C-poorost Gas.
Composition —
Kn 3-1, CH4 23-7, H 56 0, CO 8-8, 00a 3-0, or 07*4 cubic metres, N ml, II 109-6 cubic
metre
Per cubic metre H(i Combustible value, 3,850 cajs,
Composition —
OWE 4-5, OH4 34-0, II 47-0,
CO 8'3, COal-8, 00-2, and
N 3*5 per cent., or 0 6*1 f> cubic metres, N 3'5
cubic metres, H 124 '6 cubic ' metres,
41
46

46
47
63
68
8
ind 76